SUBMISSION AGREEMENT
BETWEEN
THE OFFICE OF SATELLITE AND PRODUCT OPERATIONS
AND
THE NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION
FOR DATA ARCHIVE FOR METOP-B POST-LAUNCH TEST DATA AND FUTURE OPERATIONAL DATA

2012-04-23

Introduction

This document represents the agreement that the Office of Satellite and Product Operations (OSPO) (the "Provider") and the National Centers for Environmental Information (NCEI) (the "Archive") have reached for submitting the Provider's data, Data Archive for MetOp-B Post-Launch Test Data and Future Operational Data, to the Archive for long-term preservation. It represents a joint effort between the Provider and the Archive to accurately document the agreement and the expectations between the two groups.

In order to ensure that the quality and integrity of the archived data is not compromised, the Provider and the Archive agree to maintain this agreement with accurate and up-to-date information through the life of the data submission.

Add comments as needed

Contacts

Persons included in all communications regarding the data submission.

Provider Contacts

Point of Contact, MetOp-B NOAA instrument
L1b data provider
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Archive Contacts

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Data Overview

Request to archive MetOp-B data both during its post-launch test period and in its future mission operations.

(a) The Metop-B data file naming conventions and data volume will be similar to MetOp-As when it is in nominal operations. During the post-launch instrument checkout, however, there will be occasions with (much) less data volume and/or lack of all the instrument data.

(b) No change to MetOp-B data formats. Same as the current data from MetOp-A, including
ASCAT - Advanced Scatterometer
AVHRR/3 - Advanced Very High Resolution Radiometer
GOME-2 - Global Ozone Monitoring Experiment-2
GRAS - Global Navigation Satellite System Receiver for Atmospheric Sounding
IASI - Infrared Atmospheric Sounding Interferometer
AMSU-A1/AMSU-A2 - Advanced Microwave Sounding Units
HIRS/4 - High-resolution Infrared Radiation Sounder
MHS Microwave Humidity Sounder

(c) The differences in file patterns between MetOp-B's and MetOp-A's will be
M2 --- M1
M02 --- M01
m02 --- m01
METOPA --- METOPB
Note that the MetOp-A data have been archived at CLASS for years.

Applicable and Reference Documents
Documents applicable to or referenced from this agreement.

1. ICD documents. Same as MetOp-A's

Submission Scope

Active Submission Period
 - 2029-12-31

Data Types
Below is a summary of the data sizing and submission schedule by data type group. Enter information on at least one data type.

Data Type Name	Data Sizing	Submission Schedule
Same as MetOp-A's	Same as MetOp-A's	

Reviews and Testing
Describe the reviewing and testing procedures done by the Archive for the Provider's data, transfer interface, etc., prior to the data submission.

Providing System
Identification of the system providing the data to NCEI.

System Name: DDS
System Owner: NESDIS>OSDPD>OSPO
Physical Location: Suitland, MD 20746
Additional Information: Add comments as needed on applicable data types, etc.

Transfer Interface

Same as MetOp-A's

Submission File Inventory

Information on each submitted file type from the Provider. Information on multiple file types can be added below.

File Type Name: Similar to MetOp-A's
File Name Pattern:
Similar to MetOp-A's
File Name Field Definitions:
Similar to MetOp-A's
Example File Name:
An actual file name
File Format: Same as MetOp-A's
File Compression: Same as MetOp-A's
File Size Range: 1MB to 600MB
File Count (Rate): Similar to MetOp-A's
Data Volume (Rate): Similar to MetOp-A's
Submission Schedule: Similar to MetOp-A's
Additional Information: Add comments as needed for this file type
Descriptive Information Attributes:

Attribute	Source	Use
Similar to MetOp-A's	Similar to MetOp-A's	For search, results display, and/or cross-referencing

Submission Manifest

A submission manifest file with a 32-character MD5 checksum value is required for each submitted file in order to ensure the integrity of the submitted data.

File Content Specification:
Similar to MetOp-A's

File Transmission:
Similar to MetOp-A's

File Name Pattern:
Similar to MetOp-A's

File Name Definitions:
Similar to MetOp-A's

Example File Name:
An actual submission manifest file name

Archive Ingest

Ingest processing steps at the Archive and communication with the Provider.

Receipt Verification:
The Archive will use the provided file name and 32-character MD5 checksum value to verify the integrity of a delivered file.

Error Reconciliation:
The Archive will report any problems or errors with file integrity, file name, checksum validation, or other errors that inhibit the data ingest and archive to the Provider. A new corresponding submission manifest will be required for files re-submitted by the Provider.

Receipt Confirmation:
The Archive will provide an inventory of the data ingested once it is completed or as requested by the Provider.

Quality Assurance:
No quality checks on the submitted data are planned.

Archive File Packaging:
Description of file packaging or re-naming by the Archive upon ingest.

Archive Storage

Archive attributes of each archived file type.

Archive File Type Name: Similar to MetOp-A's

Archive File Attributes/IDs:

Attribute/ID Type	Value
Archive File ID	Similar to MetOp-A's

Archive Updates

Data submissions intended to update an existing archive record require adequate notification and justification. Updates can supersede previous data submissions as a newer or improved version, however any previously submitted data will not be removed from the archive for the purpose maintaining version control and traceability in the archive.

Retention Schedule

The data will be retained in the Archive for long-term preservation in accordance with NOAA data management standards. Information on data usage and archive value may be used for making decisions on continuing the duration of the archive.

(Notional) Disposition: Unknown/TBD

Constraints

Constraint Type	Description
Access	MetOp-B test data during its post-launch instrument checkout period will only be made available to NESDIS (e.g., STAR), NASA, EUMETSAT (via IJPS Operations) and MIT/Lincoln Lab. In the future MetOp-B operations, the rules that currently apply to MetOp-A should apply to MetOp-B.

User Community

Similar to MetOp-A's

User Documentation and Metadata

The Provider will supply information to the Archive for writing and maintaining standard archive metadata, which includes data discovery information, references and data archive access links for users. The following published documents and archived items will be referenced from the metadata and made available to users.

Representation Information Items

For data to be useful to users, present and future, its format specification and characteristics must be documented and preserved with the data. Representation Information provides users with syntax (structure) and/or semantics (meaning) to decode the encoded data.

Item	Description
Similar to MetOp-A's	Similar to MetOp-A's

Preservation Descriptive Information Items

Similar to MetOp-A's

Item	Description
Similar to MetOp-A's	Similar to MetOp-A's

Access and Dissemination

The Archive will provide access services for the data and supporting information to the designated user community.

Additional Terms

None.